Index Feature Articles—Paper Trade JOURNAL

Volume 138—January 1, 1954 to December 31, 1954

Bleaching

	Page	Date
Bleaching Neutral Sulphite Semi-Chemical Pulp—Gerald Haywood	28	Dec. 31
How a 65 Year Old Mill Was Modernized and Made Thoroughly Competitive—John C. W. Evans	14	July 23
How Alaska Pine & Cellulose Modernized the Port Alice Mill	16	Feb. 19
Kraft Pulp Bleaching—Malcolm B. Pineo	14	Jan. 22
Manufacture and Use of Chlorine Dioxide at Riegel Carolina—J. D. Dailey	34	Dec. 17

Board Manufacture

A Mill Control Tester for Folding Quality of Board—G. R. Donaldson	19	July 16
Comparison of British and American Board Mill Operations—John C. Alford	14	Apr. 9
Easy Rolling for Heavy Rolls—George Scott	26	Dec. 17
Experience With Synthetic Fibres in Felts	22	Apr. 30
Experince With Synthetic Fibers in Felts in Europe—E. Race	17	June 1
Guarding the Nip—T. A. Moore	30	Dec. 17
How to Eliminate Curling in the Manufacture of Paperboard—R. L. Wilson	24	Mar. 26
How Three Roll Expander Unit Improves Felt Handling at John Strange Paper Co.	96	May 14
Latest Techniques in Kraft Pulp and Board Production Built into National Container's Valdosta Mill	38	Apr. 16
Manchester Builds Nation's Newest Cylinder Mill—D. B. Otis	16	Apr. 23
Manufacture of Hardboard in the United States—George G. Marra	26	Apr. 2
Modern B-C Reel Winder Solves Problems at Bloomer Bros.	116	May 14
New Jet Cooking System for Starch—O. Ethridge	16	Nov. 5
Paperboard Had an Outstanding Year—Looking to '54 with Confidence—M. W. Swaim	25	Jan. 29
Strain Gauge Measurement of Press Loads and Felt Tension at Gibraltar	127	May 14
The Board Mill Superintendent and Process Control Instrumentation—C. Ehemann	32	May 7
Tour of New Hardboard Mill at Klamath Falls	14	Feb. 19
Why is Wool Best for Felts—John Standish	21	Jan. 15

Converting

Advances in Drying of Paper Coating with Far-Infrared Radiant Heating	108	Nov. 12
Air Loaded Core Shaftspeed Converting Operations in Carthage Mill—E. W. Zabriskie	60	May 14
Asphalt Coating and Laminating—J. D. Griffin	102	Nov. 12
Converting Paper, Board, Pulp, Etc., Into Sheets—Joseph A. Clancy	80	Nov. 12
Drift of the Industry to Integration—E. P. Nuttall	62	Nov. 12
How a Philadelphia Converter Licked Monoxide Problem	84	Nov. 12
How the Beta-Ray Gauge Works as a Control Instrument for Extrusion Laminated Polyethylene Coating—James B. Sisson	106	May 14
Honeycomb Core for Architectural Installations—E. P. Nuttall	26	May 21
Oil Mist Lubrication of Single Facer Improves Corrugated Production	134	May 14

Economics

Canadian Industry Advances—Prospects Good for 1954 Business—R. M. Fowler	52	Jan. 29
How We are Doing An Economic Review of the First Eight Months of 1954—W. LeRoy Neubrech	18	Sept. 10
Industry Hits 26½ Million-ton Record—E. W. Tinker	24	Jan. 29
Market Pulp Supply in 1953-1954—David C. Knowlton	42	Jan. 29
1953 Paper Production at a New High—Morris C. Dobrow	72	Feb. 26
No Recession for Our Industry—E. W. Tinker	68	Feb. 26
Pulp Industry in 1953, and Outlook for 1954—L. P. Turcotte	40	Jan. 29
Slash in Swedish Pulp Offerings Seen—E. P. Nuttall	45	Jan. 29
The 25 Year Demand for Pulpwood, Pulp and Building Boards	14	Oct. 8
What of the Paper Industry in 1979—Howard Baumgarten	18	July 2
Waste Paper—Past, Present and Future—W. Le Roy Neubrech	16	Dec. 24
What We Did in '53 and a Guess at What's Ahead—John C. W. Evans	46	Jan. 29
Woodpulp Supply from Finland—Ernest Erickson	44	Jan. 29

Engineering

	Page	Date
Constant Feeding of Fuel Bark by the Hofft-Weverk Bin Unloader	78	May 14
Easy Rolling for Heavy Rolls—George Scott	26	Dec. 17
Eyes-up—A Timely Note on Lift Truck Safety	20	July 30
Filters and Purifiers for Oil Circulating Systems (In two parts)—J. S. McKeown	22 26	Mar. 19 Mar. 26
Guarding the Nip—T. A. Moore	30	Dec. 17
How a New York Newspaper Solved a Paper Roll Handling Problem	21	Nov. 5
How Coal Can Be Recovered and Fly Ash Removed Quickly and Cheaply	22	July 16
Improved Material Handling Facilities at Stone Container Chicago	14	Dec. 24
How Iron Bacteria Can Be Filtered with Wire Cloth—H. A. Ronningen	16	June 18
How Much Can a Pump Pump—R. A. Miller	24	July 9
How Plastic Piping May be Used in the Pulp and Paper Industry—B. W. Bender	30	Mar. 19
How to File Engineering Data and Material	15	Apr. 23
Injury Free Winder Operation—Julius A. Draper	27	Dec. 31
Latest Ideas on Rubber Belt Use in Pulp Mills—D. R. Scheu	24	June 11
Material Handling Observations—Part I—Basic Principles of Material Handling Organization—D. D. Hall	34	Nov. 19
Modern Paper-Making Machine Applied to the Utilization of Short Fibered Materials—R. C. Heys	14	Dec. 3
Modern Trends in the Layout of Pulp and Paper Mills—A. M. Hurter	14	Nov. 26
Stock Chest Design	34	Dec. 10

Finishing

Benchevators Permit Faster Sheet Inspection at Parsons Paper Co.	62	May 14
Converting Paper, Board, Pulp, Etc., Into Sheets—Joseph A. Clancy	80	Nov. 12
How the Stevens Counter Performs at Beckett Paper	78	Nov. 12
How to Lower Finishing Room Costs—R. S. Young	46	June 25

Groundwood

Arizona's First Pulp Mill—R. Shirley	14	Jan. 8
New System of Pocket Grinder Control	24	Jan. 15
The Cram Disk Screen—A New Concept in Fine Screening of Groundwood Pulp—R. A. Vogt and W. E. Spearin	22	May 7
Two New Mills at East Millinocket	16	Apr. 9

Instrumentation

A Mill Control Tester for Folding Quality of Board—G. R. Donaldson	19	July 16
Board Mill Superintendent and Process Control Instrumentation—G. C. Ehemann	32	May 7
Continual Recording of Comparative Paper Caliper by Air Gauging—A. B. Daniels	70	May 14
How Moisture Content is Automatically Controlled by the Stickle Mechanical System	72	May 14
How the Beta Ray Scanner Provides Felt and Wire Life Data at Southland—James Sadtler	54	May 14
How W. C. Hamilton & Sons Uses the Foxboro Beta-Ray Sheet Weight Profiler—Philip A. Cerasoli	130	May 14
Liquid Level Measurement and Control—Arthur L. Landesman	18	Jan. 8
Strain Gauge Measurement of Press Loads and Felt Tension at Gibraltar	127	May 14
Use of Instruments at Newton Falls—Alfred Wagner	13	Dec. 31
What is New in Pulp and Paper Control Instruments?—Chester S. Beard	14	July 16

Kraft Pulping

Faster Method of Analysis Saves Kraft Chemicals at Canadian K V P	74	May 14
How Dissolving Pulp is Made at Foley—J. C. W. Evans	14	July 30
How One of the Oldest Pulp Mills Has Been Rebuilt and Modernized—J. C. W. Evans	16	May 28
Latest Techniques in Kraft Pulp and Board Production Built into National Container's Valdosta Mill	38	Apr. 15
New Mill of Bowaters Southern	18	Sept. 3
Predicts Promising Future for Tall Oil	34	Aug. 20
Progress in Kamyr's Continuous Cooking—L. A. Lundberg	20	Mar. 26
Rayonier Opens Jesup Mill	16	July 9
Riegel Carolina Reports on the Bird Lime Mud Filter—J. D. Dailey	128	May 14
St. Regis Completes $5 Million Expansion at Pensacola Kraft Center	12	July 23
Union Bag Completes Program A	14	May 21

Maintenance

Check List on Use of Industrial Rubber Hose—J. A. Miller	20	Aug. 27
Does Your Plant Observe these Rules of Battery Operation—K. A. Vaughan	22	Oct. 8
How Magnetic Particle Inspection Aids Maintenance at Camas—D. M. Platt	98	May 14
How to Cut Impeller Wear—T. W. Edwards	14	Jan. 15
How to Get Highest Performance and Wear from Elevator Conveyor Belts—A. F. Matheis	21	July 2
How to Get More and Better Production from Paper Knives—Al Coleman	23	Jan. 1
Safety in Maintenance of Pulp and Paper Mills—W. J. Miles	42	Dec. 10
What Combined Locks Has Learned from 15 Years of Metallizing—Edward Lindberg	84	May 14
When Does it Pay to Replace a Pump?—C. E. Cromwell	22	June 18

Mill Descriptions

Arizona's First Pulp Mill—Robert Shirley	14	Jan. 8
Everett Pulp & Paper Completes Improvements	9	Mar. 5

	Page	Date
Fast Paper Machine Gets Rolling at Scott's Everett Plant—H. E. Vedder	48	Feb. 26
How a 65 Year Old Mill was Modernized and Made Thoroughly Competitive—J. C. W. Evans	14	July 23
How Alaska Pine & Cellulose Modernized the Port Alice Mill	16	Feb. 19
How Dissolving Pulp is Made at Foley—J. C. W. Evans	14	July 30
How One of the Oldest Pulp Mills Has Been Rebuilt and Modernized—J. C. W. Evans	16	May 28
Latest Techniques in Kraft Pulp & Board Production Built into National Container's Valdosta Mill	38	Apr. 16
Manchester Builds Nation's Newest Cylinder Mill—D. Bruce Otis	16	Apr. 23
New Mill of Bowaters Southern	18	Sept. 3
Newest Patterns in Continuous Pulping Being Set by American Box Board Co.	14	Mar. 5
New Zealand's First Kraft Mill	26	Mar. 19
Progress at Ruberoid is Progress in Paper—D. Bruce Otis	14	Aug. 27
Rayonier Opens Jesup Mill	16	July 9
Southern Paperboard Completes High Yield Expansion	30	June 16
St. Regis Completes $5 Million Expansion at Pensacola Kraft Center	12	July 23
The Paper Industry and the Southland Mill—W. L. McHale and C. C. Porter	54	June 25
Two New Mills at East Millinocket	16	Apr. 9
Union Bag Completes Program A	14	May 21

Miscellaneous

How National Container Planned a Functional Division Laboratory—T. T. Collins	17	Sept. 24
Life Begins at Forty—Dr. J. S. Bates	22	Feb. 5
Open Opportunities for TAPPI—Gunnar W. E. Nicholson	87	Feb. 26
Sir Eric's Enterprise—E. P. Nuttall	32	Sept. 3
Streams and Specialty Mill Effluents—Hayse Black	18	Dec. 3
West Virginia Building $2 Million Waste Plant	10	July 9

Papermaking

A New Concept for Drying Paper and Board—J. R. Gillis	18	Mar. 12
A New Paper Pigment—L. B. Taylor	53	Feb. 26
An Introduction to Slime Control in the Paper Industry—Norman Alper	26	Aug. 20
Continual Recording of Comparative Paper Caliper by Air Gauging—A. B. Daniels	70	May 14
Easy Rolling for Heavy Rolls—George Scott	26	Dec. 17
Experience with Synthetic Fibres in Felts	22	Apr. 30
Experience with Synthetic Felts in Europe—E. Race	17	June 11
Fraser Papers New Machine	55	Nov. 12
Guarding the Nip—T. A. Moore	30	Dec. 17
How Moisture Content is Automatically Controlled by the Stickle Mechanical System	72	May 14
How Strathmore Paper Solved White Water Fiber Recovery—Ralph Peat	14	Oct. 29
How the Beta-Ray Scanner Provides Felt & Wire Life Data at Southland—James D. Sadtler	54	May 14
How to Cut Wire Cleaning Down-Time—R. E. Tschupp	14	June 11
How W. E. Hamilton & Sons Use the Foxboro Beta-Ray Sheet Weight Profiler—Philip A. Cerasoli	130	May 14
John A. Manning's New Paper Machine	18	Aug. 6
Latest Ideas in Paper Machine Design Utilized at Calhoun	30	Sept. 3
New Jet Cooking System for Starch—O. Ethridge	16	Nov. 5
Paper Mill Noise Problems—M. N. Davis and R. H. Caston	20	Apr. 2
Progress at Ruberoid is Progress in Paper—D. B. Otis	14	Aug. 27
Report on Closed Hood Installations at Iroquois Falls—J. C. Jordan	14	Apr. 30
Streams and Specialty Mill Effluents—Hayse Black	18	Dec. 3
Successful Measurement and Evaluation of Slime at St. Lawrence by the McKeown Tester—John H. Bardsley	64	May 14
The Modern Paper-Making Machine Applied to the Utilization of Short Fibered Materials—R. C. Heys	14	Dec. 3
The Paper Industry and the Southland Mill—W. L. McHale and C. C. Porter	54	June 25
What Rotabelts are Doing at Fitchburg Paper Co.	123	May 14
What Are the Requirements for Paper Offset—A. W. Beecroft	66	June 25
What You Can Expect from Silene in Paper—Arthur M. Brooks	16	Dec. 31
Why is Wool Best for Paper Machine Felts?—John Standish	21	Jan. 15

Personnel

Compulsory Retirement—Right or Wrong—J. C. Cameron	96	June 25
Forward Looking Retirement Programs—Henry W. Otis	24	July 23
Getting the Most from Employee Benefits—Colin Gardner III	24	June 4
Men, Machines and Management—A. E. H. Fair	60	June 25

Pulp and Stock Cleaning

First Mill Report of Ahlfors Screen Operation on Deinked Pulp	58	May 14
How to Screen Sulphite Pulp—Gustaf Ranhagen	12	Jan. 1
The Cram Disk Screen—R. A. Vogt and W. E. Spearin	22	May 7
What Bauer Cleaners are Doing at Spaulding Pulp & Paper Co.—H. R. Clodfelter	92	May 14
What Bauer Cleaners are Doing at Flambeau—L. M. Gibson	86	May 14

Pulpwood

	Page	Date
Can Mechanical Barking Aid in Northern Hardwood Utilization	104	May 14
Chemi-Peeling Hardwood—David B. Cook	54	Oct. 15
First Operating Report of the Burnt River Barker—H. E. Vedder	15	Sept. 10
Hardwood Disposal—A Pressing Forestry Problem—C. L. Tebbe	52	Oct. 15
Hardwood Pulpwood Procurement in the Northeast—F. C. Simmons	49	Oct. 22
Hardwood Timber Resources in the Northeast and Their Availability for Pulpwood—John R. McGuire	44	Oct. 15
How a 65 Year Old Mill Was Modernized and Made Thoroughly Competitive—J. C. W. Evans	14	July 23
New Mill of Bowaters Southern	18	Sept. 3
Open Side Pulpwood Car for Northern Shipments	32	Aug. 6
Pulpwood Production in 1953 and Outlook for 1954—W. S. Bromley	56	Jan. 29
What are the Basic Needs in Pulpwood Production—E. C. Jahn	21	Aug. 20

Semi-Chemical Pulping

	Page	Date
Chemical Recovery and Stream Pollution from Semi-Chemical Pulping—Vance P. Edwards	60	Oct. 15
Continuous Production of Bleached Neutral Sulphite Semi-Chemical Pulp—L. G. Durant	40	Oct. 22
Continuous Production of Unbleached Neutral Sulphite Semi-Chemical Pulp—R. G. Knechtges	32	Oct. 22
Economics and Engineering of Semi-Chemical Pulp Mills—D. C. Moon	44	Oct. 22
New Impetus from Mechano Chemical Pulping Process—Joseph E. Atchison	21	Aug. 13
Newest Patterns in Continuous Pulping Being Set by American Box Board Co.	14	Mar. 5
Present Status of the Pressafiners at Green Bay—William Nelson	136	May 14
Production of Bleached NSSC Pulp by the Batch Process—H. L. Field	36	Oct. 22
Pulping Processes for Northeastern Hardwoods—G. H. Chidester	56	Oct. 15
Semi-Chemical Pulp Mills in the U. S. and Canada	20	Dec. 24
Southern Paperboard Completes High Yield Expansion	30	June 18
Unbleached Neutral Sulphite Semi-Chemical Pulping—Batch Process—Edwin S. Flinn	30	Oct. 15
Union Bag Completes Program A	14	May 21

Stock Preparation

	Page	Date
Beater Addition of Rubber and Rubber-Like Emulsions—E. C. Jahn and V. Stannett	14	Sept. 24
Better Circulation in Stock Storage Tanks	56	May 14
How the Morden Stuff-Maker Improved Sheet Formation at Columbia River—Allan G. Strang	112	May 14
Rapid Identification of Wet-Strength Resins in Paper—J. C. Barthel	24	Sept. 10
Softer Tissue Sheet Results from New Stockmaster Refining at Bancroft	120	May 14

Sulphite Pulping

	Page	Date
Conductimetric Control Test for Sulphite Acid Strength—E. F. Thode and H. Freedman	14	Nov. 5
How to Screen Sulphite Pulp—Gustaf Ranhagen	12	Jan. 1

Waste Paper

	Page	Date
Industry Rise Leaves Waste Paper Behind—Stuart B. Sutphine, Jr.	60	Jan. 29
Progress Made in Waste Paper Utilization—Henry J. Perry	62	Jan. 29
Rapid Identification of Wet Strength Resins in Paper—J. C. Barthel	24	Sept. 10
Revised Waste Paper Specifications	21	Mar. 12
Waste Paper—Past, Present and Future—W. LeRoy Neubrech	16	Dec. 24

Index Authors of Feature Articles

A

Alford, John C.—Comparison of British and American Board Mill Operations—14, Apr. 9

Alper, Norman—An Introduction to Slime Control in the Paper Industry—26, Aug. 20

Atchison, Dr. J. E.—New Impetus from Mechano Chemical Pulping Process—21, Aug. 13

B

Bardsley, John H.—Successful Measurements and Evaluation of Slime at St. Lawrence by the McKeown Tester—64, May 14

Barthel, J. C.—Rapid Identification of Wet-Strength Resins in Paper—24, Sept. 10

Bates, Dr. J. S.—Life Begins at Forty—22, Feb. 5

Baumgarten, Howard—What of the Paper Industry in 1979—18, July 12

Beard, Chester S.—What is New in Pulp and Paper Control Instruments?—14, July, 16

Beecroft, A. W.—What are the Requirements for Paper Offset?—66, June 25

Bender, B. W.—How Plastic Piping May Be Used in the Pulp and Paper Industry—30, Mar. 19

Black, Hayse—Streams and Specialty Mill Effluents—18, Dec. 3

Bromley, W. S.—Pulpwood Production in 1953 and Outlook for 1954, 56, Jan. 29

Brooks, Arthur M.—What You Can Expect from Silene in Paper—16, Dec. 31.

How Celite speeds board output up to 10%

...yet improves uniformity and smoothness!

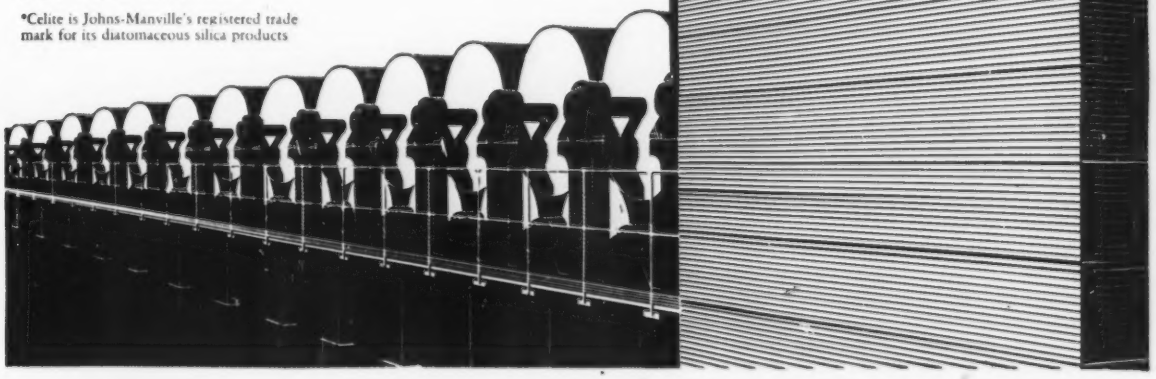
LEADING BOARD MILLS have increased output up to 10% by adding Celite* diatomite powders to their furnish. At the same time they have obtained better quality board with improved uniformity and smoothness. A test run in your mill will quickly demonstrate how you can secure similar results.

You will find that Celite is a highly porous material, with exceptional free-draining characteristics. Since it does not cake up or shrink, it materially improves drainage and drying, makes increased machine speeds possible. And because of its good suspension properties, Celite helps keep fibers evenly dispersed in water, resulting in greater uniformity of finished board.

These unique properties of Celite also permit greater bulk in machine boards such as chipboard, newsliner and solid manila. And for many types of sheet, Celite adds other desirable qualities such as greater opacity, higher brightness at lower cost.

To prove these advantages of Celite, a Johns-Manville Celite Engineer will gladly assist you in making trial runs in your mill. There is no charge for his services. Simply write Johns-Manville, Box 60, New York 16, N. Y.

*Celite is Johns-Manville's registered trade mark for its diatomaceous silica products



JOHNS-MANVILLE JM PRODUCTS **Johns-Manville CELITE** PRODUCTS FOR THE PAPER INDUSTRY

C

Cameron, J. C.—Compulsory Retirement—Right or Wrong?—96, June 25
Castron, R. H. and M. N. Davis—Paper Mill Noise Problems—20, Apr. 2
Cerasoli, Philip A.—How W. C. Hamilton & Sons Uses the Foxboro Beta-Ray Sheet Weight Profiler—130, May 14
Chidester, G. H.—Pulping Processes for Northeastern Hardwoods—56, Oct. 15
Clancy, Joseph A.—Converting Paper, Board, Pulp, Foil, etc. Into Sheets—80, Nov. 12
Clodfelter, H. R.—What Bauer Cleaners are Doing at Spaulding Pulp & Paper Co.—92, May 14
Coleman, Al—How to Get More and Better Production from Paper Knives—23, Jan. 1
Collins, T. T.—How National Container Planned a Functional Division Laboratory—17, Sept. 24
Cook, David B.—Chemi Peeling Hardwood—54, Oct. 15
Cromwell, C. E.—When Does it Pay to Replace A Pump?—22, Jun. 18

D

Dailey, J. D.—Riegel Carolina Reports on the Bird Lime Mud Filter—128, May 14
Manufacture and Use of Chlorine Dioxide at Riegel Carolina—34, Dec. 17
Daniels, A. B.—Continual Recording of Comparative Paper Caliper by Air Gauging—70, May 14
Davis, M. N. and R. H. Caston—Paper Mill Noise Problems—20, Apr. 2
Dobrow, Morris C.—1953 Paper Production at a New High—72, Feb. 26
Donaldson, G. R.—A Mill Control Tester for Folding Quality of Board—19, Jul. 16
Draper, Julius A.—Injury Free Winder Operation—27, Dec. 31.
Durant, L. G.—Continuous Production of Bleached Neutral Sulphite Semi-Chemical Pulp—40, Oct. 22

E

Edwards, T. W.—How to Cut Impeller Wear—14, Jan. 15
Edwards, Vance P.—Chemical Recovery and Stream Pollution from Semi-Chemical Pulping—60, Oct. 15
Ehemann, G. C.—The Board Mill Superintendent and Process Control Instrumentation—32, May 7
Erickson, Ernest—Woodpulp Supply from Finland—44, Jan. 29
Ethridge, O.—New Jet Cooking System for Starch—15, Nov. 5
Evans, John C. W.—How a 65 Year Old Mill was Modernized and Made Thoroughly Competitive—14, Jul. 23
How Dissolving Pulp is Made at Foley—14, Jul. 30
How One of the Oldest Pulp Mills has been Rebuilt and Modernized—16, May 28
What We did in '53 and a Guess at What's Ahead—46, Jan. 29

F

Faegre, Robert—View of Groundwood Papers Situation—26, Jan. 29
Fair, A. E. H.—Men, Machines and Management—60, June 25
Field, H. L.—Production of Bleached NSSC Pulp by the Batch Process—36, Oct. 22
Flinn, Edwin S.—Unbleached Neutral Sulphite Semi-Chemical Pulping—Batch Process—30, Oct. 15
Fowler, R. M.—Canadian Industry Advances Again—Prospects Good for 1954—52, Jan. 29
Freedman, H. and E. F. Thode—Conductimetric Control Test for Sulphite Acid Strength—14, Nov. 5

G

Gardner, Colin III—Getting the Most from Employee Benefits—24, Jun. 4
Gibson, L. M.—What Bauer Cleaners are Doing at Flambeau—86, May 14
Gillis, J. R.—A New Concept for Drying Paper and Board—18, Mar. 12
Griffin, J. D.—Asphalt Coating and Laminating—102, Nov. 12

H

Hall, D. D.—Material Handling Observations—Part I, Basic Principles of Material Handling Organization—24, Nov. 19
Haywood, Gerald—Bleaching Neutral Sulphite Semi-Chemical Pulp—28, Dec. 31.
Heys, R. C.—The Modern Paper-making Machine Applied to the Utilization of Short Fibered Material—14, Dec. 3
Hurter, A. M.—Modern Trends in the Layout of Pulp and Paper Mills—14, Nov. 26

J

Jahn, E. C. and V. Stannett—Beater Addition of Rubber and Rubber-Like Emulsion—14, Sept. 24
Jahn, E. C.—What are the Basic Needs in Pulpwood Production—21, Aug. 20
Jones, P. M.—Merchants Foresee Less Sales, More Profits—36, Jan. 29
Jordan, J. C.—Report on Closed Hood Installations at Iroquois Falls—14, Apr. 30

K

Knechtges, R. G.—Continuous Production of Unbleached Neutral Sulphite Semi-Chemical Pulp—32, Oct. 22
Knowlton, David C.—Market Pulp Supply in 1953-1954—42, Jan. 29

L

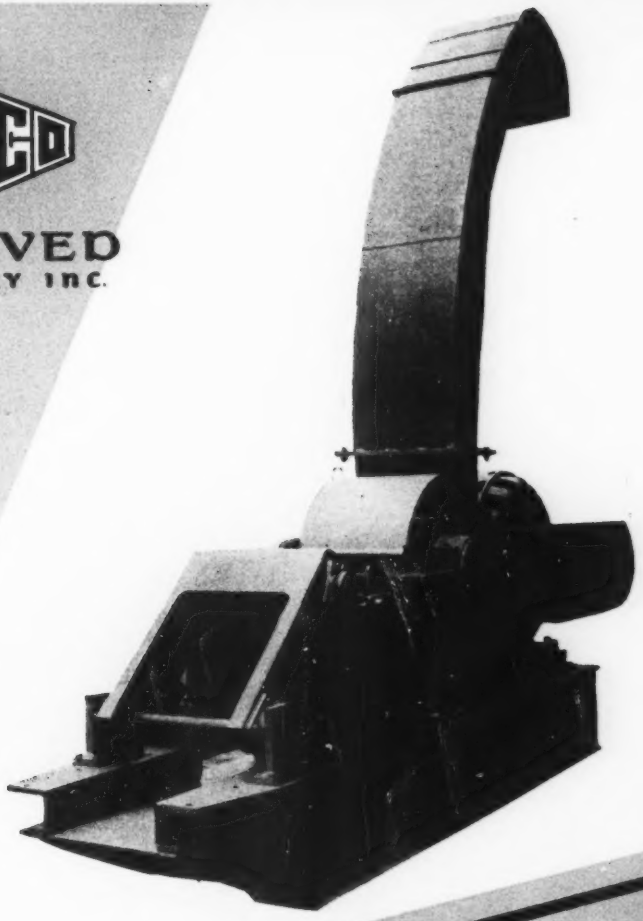
Landesman, Arthur L.—Liquid Level Measurement and Control—18, Jan. 8
Lindberg, Edward—What Combined Locks Has Learned from 15 Years of Metallizing—84, May 14
Lundberg, L. A.—Progress in Kamyr's Continuous Cooking—20, Mar. 26

M

McGuire, John R.—Hardwood Timber Resources in the Northeast and Their Availability for Pulpwood—44, Oct. 15
McHale, W. L. and C. C. Porter—The Paper Industry and the Southland Mill—54, Jun. 25
McKeown, J. S.—Filters and Purifiers for Oil Circulating Systems, Two Parts—22, Mar. 19 and 26, Mar. 26
Marra, George G.—Manufacture of Hardboard in the United States—26, Apr. 2
Matheis, A. F.—How to Get Highest Performance and Wear from Elevator Conveyor Belts—21, Jul. 2
Melman, S.—What Does Productivity Measure In Our Industry?—24, Aug. 6
Miles, W. J.—Safety in Maintenance of Pulp and Paper Mills—42, Dec. 10
Miller, J. A.—Check List On Use of Industrial Rubber Hose—20, Aug. 27
Miller, R. A.—How Much Can A Pump Pump?—24, Jul. 9

IMPCO

IMPROVED
MACHINERY INC.



Equi-flow WOOD CHIPPER

. . . "perhaps the first of its kind to invade the high quality pulp chip field" . . . (American Pulpwood Association release, number #201).

For the quality processing of your sawmill residues and logging slash, we offer this rotary cutter head type chipper.

Its horizontal power feed permits the handling of material of any length in single floor installations.

One of these units will economically handle all the chippable residue of any sawmill up to the 150M-F. B. M. per day class.

Ten inch diameter whole logs and sixteen inch width slabs are readily handled.

Write for more information.

NASHUA, NEW HAMPSHIRE

SHERBROOKE MACHINERIES LIMITED, SHERBROOKE, QUEBEC, MANUFACTURE SIMILAR EQUIPMENT IN CANADA. F2-a

Moon, D. G.—Economics and Engineering of Semi-Chemical Pulp Mills—44, Oct. 22
Moore, T. A.—Guarding the Nip—30, Dec. 17

N

Nelson, William—Present Status of the Pressafiners at Green Bay—136, May 14
Neubrech, W. LeRoy—How We Are Doing—An Economic Review of the First Eight Months of 1954—18, Sept. 10
Waste Paper—Past, Present and Future—16, Dec. 24
Nicholson, Gunnar W. E.—Open Opportunities for Tappi—87, Feb. 26
Nuttall, E. P.—Drift of the Industry to Integration—62, Nov. 12
Honeycomb Core For Architectural Installations—26, May 21
Sir Eric's Enterprise—32, Sept. 3
Slash in Swedish Pulp Offerings Seen—45, Jan. 29

O

Otis, D. Bruce—Manchester Builds Nation's Newest Cylinder Mill—16, Apr. 23
Progress at Ruberoid is Progress in Paper—14, Aug. 27
Otis, Henry W.—Forward Looking Retirement Programs—24, Jul. 23

P

Peat, Ralph—How Strathmore Paper Solved White Water Fibre Recovery—14, Oct. 29
Perry, Henry J.—Progress Made in Waste Paper Utilization—62, Jan. 29
Pineo, Malcolm B.—Kraft Pulp Bleaching—14, Jan. 22
Platt, D. M.—How Magnetic Particle Inspection Aids Maintenance at Camas—98, May 14
Porter, C. C. and W. L. McHale—The Paper Industry and the Southland Mill—54, Jun. 25

R

Race, E.—Experience with Synthetic Fibers in Felts in Europe—17, Jun. 1
Ranhagen, Gustaf—How to Screen Sulphite Pulp—12, Jan. 1
Remley, Adam C.—Writing Paper Business as I See It Today—30, Jan. 29
Ronningen, H. A.—How Iron Bacteria Can Be Filtered with Wire Cloth—16, June 18

S

Sadtler, James D.—How the Beta-Ray Scanner Provides Felt and Wire Life Data at Southland—54, May 14
Scheu, D. R.—Latest Ideas on Rubber Belt Use in Pulp Mills—24, Jun. 11
Scott, George—Easy Rolling for Heavy Rolls—26, Dec. 17
Servotte, W. J.—Where is Tissue Production Headed?—30, Jan. 29
Shirley, Robert—Arizona's First Pulp Mill—14, Jan. 8
Shorter, W. C.—An Advanced Look at Kraft Paper—26, Jan. 29
Simmons, F. C.—Hardwood Pulpwood Procurement in the Northeast—49, Oct. 22
Sisson, James B.—How the Beta-Ray Gauge Works as a Control Instrument for Extrusion Laminated Polyethylene Coating—106, May 14
Spearin, W. E. and R. A. Vogt—The Cram Disk Screen, A New Concept in Pine Screening of Groundwood Pulp—22, May 7
Standish, John—Why is Wool Best for Felts?—21, Jan. 15
Stannett, V. and E. C. Jahn—Beater Addition of Rubber and Rubber-Like Emulsions—14, Sept. 24
Strang, Allan G.—How the Morden Stuff-Maker Improved Sheet Formation at Columbia River—112, May 14
Strype, F. C., Jr.—Exporters Look Forward to '54 With Optimism—38, Jan. 29
Sutphin, Stuart B., Jr.—Industry Rise Leaves Waste Paper Behind—60, Jan. 29
Swaim, M. W.—Paperboard Had an Outstanding Year—Looking to '54 With Confidence—25, Jan. 29

T

Taylor, L. B.—A New Paper Pigment—53, Feb. 26
Tebbe, C. L.—Hardwood Disposal a Pressing Forestry Problem—52, Oct. 15
Thode, E. F. and H. Freedman—Conductimetric Control for Sulphite Acid Strength—14, Nov. 5
Tinker, E. W.—Industry Hits 26½ Million-Ton Record—24, Jan. 29
No Recession for our Industry—68, Feb. 26
Tschupp, R. E.—How to Cut Wire Cleaning Down-Time—14, Jun. 11
Turcotte, L. P.—Pulp Industry in 1953, and Outlook for 1954—40, Jan. 29

V

Vaughan, K. A.—Does Your Plant Observe These Rules of Battery Operation?—22, Oct. 8
Vedder, H. E.—Fast Paper Machine Gets Rolling at Scott's Everett Plant—48, Feb. 26
First Operating Report of the Burnt River Barker—15, Sept. 10
Vogt, R. A. and W. E. Spearin—The Cram Disk Screen, A New Concept in Fine Screening of Groundwood Pulp—22, May 7

W

Wagner, Alfred—Use of Instruments at Newton Falls—13, Dec. 31.
Waldman, Abraham—Cotton Rags Level Off—56, Jan., 29
Wilson, R. L.—How to Eliminate Curling in the Manufacture of Paperboard—24, Mar. 26
Worrell, Rufus I.—Book Paper Industry at Start of '54—28, Jan. 29

Y

Young, R. S.—How to Lower Finishing Room Costs—46, Jan. 25

Z

Zabriskie, E. W.—Air Loaded Core Shaftspeed Converting Operations in Carthage Mill—60, May 14
Zima, J. J.—Production of Newsprint—32, Jan. 29